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| FORM PTO-1390 (REV. 10-2003) | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTORNEY'S DOCKET NUMBER 9157-058 |
| TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371 | | | | U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/517769 |
| INTERNATIONAL APPLICATION NO. PCT/CA2003/000952 | INTERNATIONAL FILING DATE June 26, 2003 | | PRIORITY DATE CLAIMED July 1, 2002 | |
| TITLE OF INVENTION MEASURING STRAIN IN A STRUCTURE (BRIDGE) WITH A (TEMPERATURE . . . | | | | |
| APPLICANT(S) FOR DO/EO/US THOMSON, Douglas, John; BRIDGES, Gregory, E. | | | | |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: | | | | |
| <ol style="list-style-type: none"> <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. <input checked="" type="checkbox"/> The US has been elected (Article 31). <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto. b. <input checked="" type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). | | | | |
| Items 11 to 20 below concern document(s) or information included: | | | | |
| <ol style="list-style-type: none"> 11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input type="checkbox"/> A preliminary amendment. 14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. 18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input type="checkbox"/> Other items or information: | | | | |

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

| U.S. APPLICATION NO. (if known) see 37 CFR 1.5) 107517769 | INTERNATIONAL APPLICATION NO. PCT/CA2003/000952 | ATTORNEY'S DOCKET NUMBER 9157-058 | | | | | | | | | | | | | | | | | | | | |
|---|---|---|--------------------|--|---------------|-----------------|-------------------------------------|----------------------------|----------|--|-------------------------------------|-------------------------|----------|--|-------------------------------------|--------------------|----------|--|--------------------------------------|--|------------------|--|
| 21. The following fees are submitted: | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th colspan="2"></th> <th>Applicant use</th> <th>Office use only</th> </tr> </thead> <tbody> <tr> <td><input checked="" type="checkbox"/></td> <td>a) Basic national fee.....</td> <td>\$300.00</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>b) Examination fee.....</td> <td>\$200.00</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>c) Search fee.....</td> <td>\$500.00</td> <td></td> </tr> <tr> <td colspan="2">TOTAL OF ABOVE CALCULATIONS =</td> <td>\$1000.00</td> <td></td> </tr> </tbody> </table> | | | | | Applicant use | Office use only | <input checked="" type="checkbox"/> | a) Basic national fee..... | \$300.00 | | <input checked="" type="checkbox"/> | b) Examination fee..... | \$200.00 | | <input checked="" type="checkbox"/> | c) Search fee..... | \$500.00 | | TOTAL OF ABOVE CALCULATIONS = | | \$1000.00 | |
| | | Applicant use | Office use only | | | | | | | | | | | | | | | | | | | |
| <input checked="" type="checkbox"/> | a) Basic national fee..... | \$300.00 | | | | | | | | | | | | | | | | | | | | |
| <input checked="" type="checkbox"/> | b) Examination fee..... | \$200.00 | | | | | | | | | | | | | | | | | | | | |
| <input checked="" type="checkbox"/> | c) Search fee..... | \$500.00 | | | | | | | | | | | | | | | | | | | | |
| TOTAL OF ABOVE CALCULATIONS = | | \$1000.00 | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. | | | | | | | | | | | | | | | | | | | | | | |
| Total Sheets | Extra sheets | Number of each additional 50 or fraction thereof (round up to a whole number) | | | | | | | | | | | | | | | | | | | | |
| - 100 = | /50 = | x \$250.00 | | | | | | | | | | | | | | | | | | | | |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)). | | | | | | | | | | | | | | | | | | | | | | |
| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | | | | | | | | | | | | | | | | | | | |
| Total claims | 35 | - 20 = 15 | x \$50.00 | | | | | | | | | | | | | | | | | | | |
| Independent claims | 3 | - 3 = 0 | x \$200.00 | | | | | | | | | | | | | | | | | | | |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable) | | | + \$360.00 | | | | | | | | | | | | | | | | | | | |
| TOTAL OF ABOVE CALCULATIONS = | | | \$ 1,750.00 | | | | | | | | | | | | | | | | | | | |
| <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by ½. | | | \$ 875.00 | | | | | | | | | | | | | | | | | | | |
| SUBTOTAL = | | | \$ 875.00 | | | | | | | | | | | | | | | | | | | |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)). | | | \$ | | | | | | | | | | | | | | | | | | | |
| TOTAL NATIONAL FEE = | | | \$ 875.00 | | | | | | | | | | | | | | | | | | | |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property | | | \$ | | | | | | | | | | | | | | | | | | | |
| TOTAL FEES ENCLOSED = | | | \$ 875.00 | | | | | | | | | | | | | | | | | | | |
| Amount to be refunded: | | | \$ | | | | | | | | | | | | | | | | | | | |
| Amount to be charged | | | \$ | | | | | | | | | | | | | | | | | | | |
| a. <input checked="" type="checkbox"/> A check in the amount of \$ 875.00 to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>022095</u> . A duplicate copy of this sheet is enclosed. d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. | | | | | | | | | | | | | | | | | | | | | | |
| NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status. | | | | | | | | | | | | | | | | | | | | | | |
| SEND ALL CORRESPONDENCE TO: | | | | | | | | | | | | | | | | | | | | | | |
|  Bereskin & Parr Box 401, 40 King Street West Toronto, Ontario M5H 3Y2 Canada | | | | | | | | | | | | | | | | | | | | | | |
| SIGNATURE <u>Stephen M. Beney</u> NAME <u>41563</u> REGISTRATION NUMBER | | | | | | | | | | | | | | | | | | | | | | |

10/15/17769
DT01 Rec'd PCT/FTC 27 DEC 2004

December 22, 2004

Stephen M. Beney B.Sc. (Physics)
416 957 1697 sbeney@bereskinparr.com

Your Reference: PCT/CA03/000952
Our Reference: 9157-58

The Commissioner of Patents
United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Transmitted herewith for entry into national phase of the patent application of

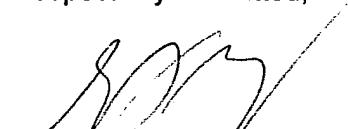
Inventors: Douglas John THOMSON and Gregory E. BRIDGES

For: **MEASURING STRAIN IN A STRUCTURE (BRIDGE) WITH A (TEMPERATURE COMPENSATED) ELECTROMAGNETIC RESONATOR (MICROWAVE CAVITY)**

The following papers are enclosed:

- Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) concerning a filing under 35 U.S.C. 371.
- Preliminary Amendment.
- Declaration of Inventorship
- A cheque in the amount of \$875.00 with respect to the government filing fee is enclosed.
- PAYMENT OF THE CLAIM FEES IS BEING DEFERRED.
- The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to our Deposit Account No. 02-2095.
- Convention priority is requested based on United States Provisional Patent Application No. 60/1392,260 filed on July 1, 2002.

Respectfully submitted,


Stephen Beney
Registration No. 31,696

10/517769

DT01 Rec'd PCT/PTC, 27 DEC 2004

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